

Title (en)
METHOD AND DEVICE FOR TRANSMITTING/RECEIVING SYNCHRONIZATION SIGNAL IN WIRELESS CELLULAR COMMUNICATION SYSTEM

Title (de)
VERFAHREN UND VORRICHTUNG ZUM SENDEN/EMPFANGEN EINES SYNCHRONISATIONSSIGNALS IN EINEM MOBILFUNKKOMMUNIKATIONSSYSTEM

Title (fr)
PROCÉDÉ ET DISPOSITIF POUR TRANSMETTRE/RECEVOIR UN SIGNAL DE SYNCHRONISATION DANS UN SYSTÈME DE COMMUNICATION CELLULAIRE SANS FIL

Publication
EP 3442141 A4 20190417 (EN)

Application
EP 17796342 A 20170508

Priority
• KR 20160056408 A 20160509
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• KR 2017004763 W 20170508

Abstract (en)
[origin: EP4092936A2] The present disclosure relates to a communication method and system for converging a 5th-Generation (5G) communication system for supporting higher data rates beyond a 4th-Generation (4G) system with a technology for Internet of Things (IoT). The present disclosure may be applied to intelligent services based on the 5G communication technology and the IoT-related technology. The present invention is directed to a method performed by a base station in a wireless communication system, the method comprising: identifying a subcarrier spacing, SCS, of a synchronization signal, the SCS being associated with a frequency band; transmitting the synchronization signal using the identified SCS; transmitting a master information block, MIB, using the identified SCS; transmitting a system information block 1, SIB1, according to the MIB; and identifying information on a SCS for downlink signals except for the MIB and the SIB1, wherein the MIB includes information on a SCS of the SIB1.

IPC 8 full level
H04J 11/00 (2006.01); **H04L 27/26** (2006.01)

CPC (source: CN EP KR US)
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Citation (search report)
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• [A] ERICSSON: "Synchronization signals for 7.5 kHz subcarrier spacing", 3GPP DRAFT; R1-071582, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG1, no. St. Julian; 20070403, 3 April 2007 (2007-04-03), XP050105512
• See also references of WO 2017196042A1

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US11638247B2; EP3490316A4; EP4096330A1; US11032784B2; US11665656B2; US11916709B2; EP3754888B1

Designated contracting state (EPC)
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DOCDB simple family (application)
EP 22184452 A 20170508; CN 201780029033 A 20170508; CN 202011096340 A 20170508; CN 202011096344 A 20170508; EP 17796342 A 20170508; KR 2017004763 W 20170508; US 202016828334 A 20200324